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A FRAME FOR A LIFE-HISTORY CHART

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At the time the biology of the boll weevil (Anthonomus grandis Boh.) was under investigation at Florence, S. C., the need was felt for some kind of a device for holding a chart. At the suggestion of Dr. F. A. Fenton, a frame was constructed to meet this need.

A few of the advantages gained by the use of this frame were as follows: The frame would accommodate a chart of sufficient breadth and length to hold several years' records for comparison at all times; the chart could be shifted back and forth with ease; and the paper was always flat. The frame was light and was supplied with screw eyes so that it could be hung on the wall for convenience while in use.

The details of construction are readily seen in the accompanying sketch (fig. 1). Two strips (A) were made of light pine $1\frac{1}{2}$ by $1\frac{1}{2}$ by 30 inches. Each of the strips was attached $\frac{3}{16}$ of an inch from one edge of a piece of pine (B) which was $\frac{3}{4}$ by 3 by 33 inches. By this arrangement the ends of B extended 3 inches beyond the ends of A. Two rollers (C), each 17 inches long, were cut from a broom handle. To each of these rollers four rectangular pieces of tin (D) were tacked in line. These rollers were then fastened between pieces B, $1\frac{1}{2}$ inches from the ends, by means of 4 nails. A piece of bristol board (E), 17 by 30 inches, was nailed to strips A, which caused the bristol board to be flush with the upper edge of B. A piece of heavy drawing board (F), 5 by $18\frac{1}{2}$ inches, was tacked across the frame at one end. The complete assembly (G) shows all the parts in place.

After the frame was ready for use, one end of the chart was drawn under F, and finally each end was fastened to a roller by slipping the end under the tin clips. The rollers were then turned in opposite directions until the paper was pulled tightly over the board. The chart could then be shifted back and forth by manipulating the rollers. After the chart was in place, stub headings of the chart were printed on F to prevent confusion when the headings on the chart itself were rolled out of sight as the chart was extended. The appearance of the frame when in use is shown in figure 2.

Explanation of Illustrations

Figure 1.- Sketch showing parts and construction of frame for life-history chart.

Figure 2.- Appearance of the frame and chart when in use.

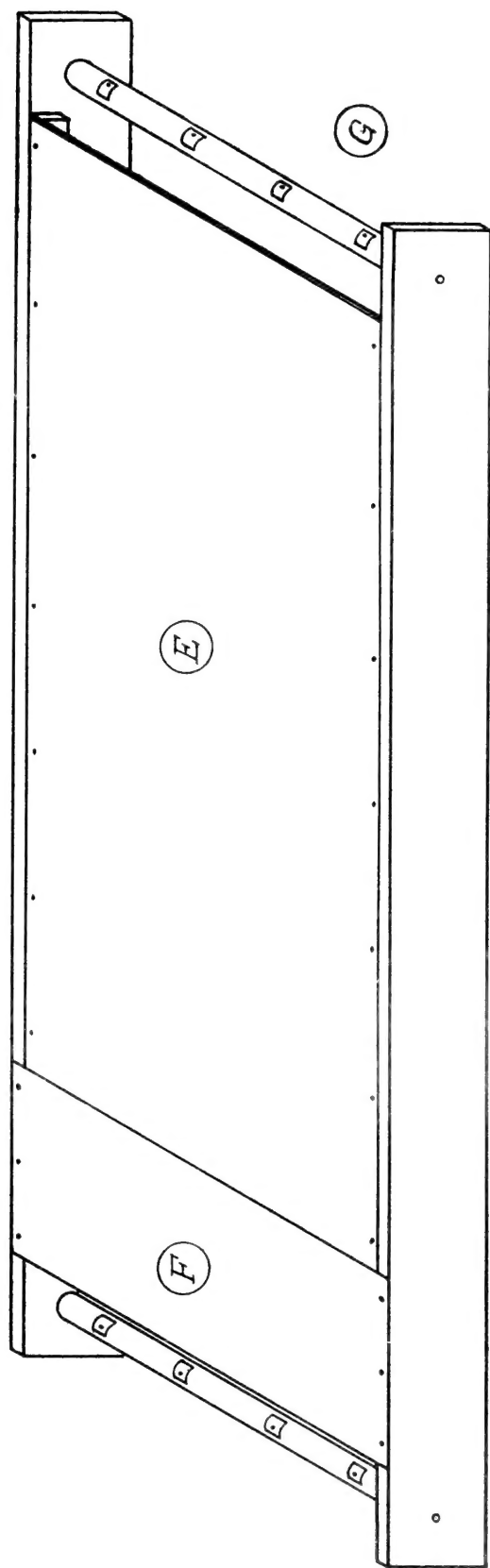
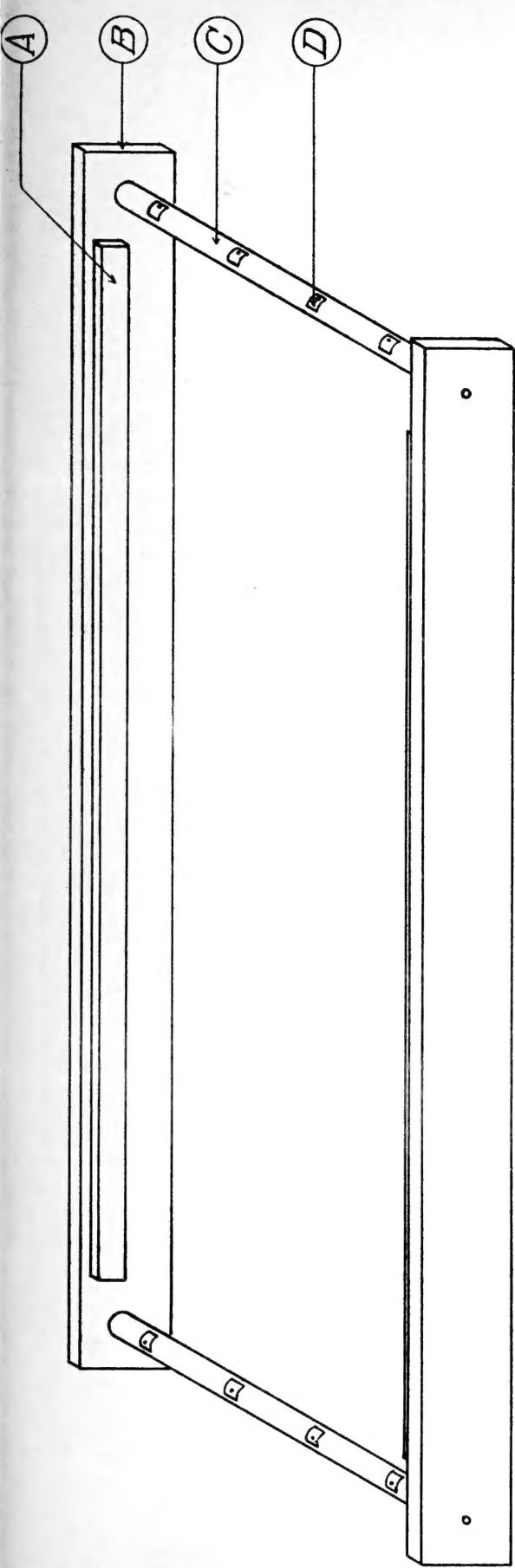
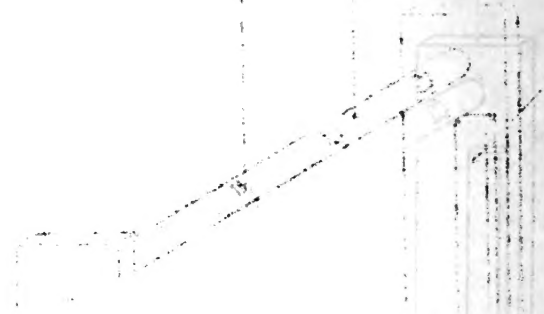
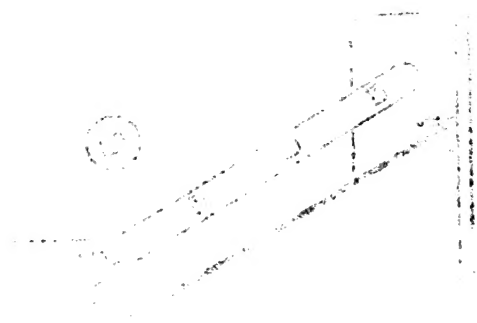


Fig. 1



	JUNE	JULY	AUGUST	SEPTEMBER
Organism first Generation 1954				
Organism second Generation 1955				
Organism third Generation 1956				
Organism fourth Generation 1957				
Organism fifth Generation 1958				
Organism sixth Generation 1959				
Organism seventh Generation 1960				
Organism eighth Generation 1961				
Organism ninth Generation 1962				
Organism tenth Generation 1963				
Organism eleventh Generation 1964				
Organism twelfth Generation 1965				
Organism thirteenth Generation 1966				
Organism fourteenth Generation 1967				
Organism fifteenth Generation 1968				
Organism sixteenth Generation 1969				
Organism seventeenth Generation 1970				
Organism eighteenth Generation 1971				
Organism nineteenth Generation 1972				
Organism twentieth Generation 1973				
Organism twenty-first Generation 1974				
Organism twenty-second Generation 1975				
Organism twenty-third Generation 1976				
Organism twenty-fourth Generation 1977				
Organism twenty-fifth Generation 1978				
Organism twenty-sixth Generation 1979				
Organism twenty-seventh Generation 1980				
Organism twenty-eighth Generation 1981				
Organism twenty-ninth Generation 1982				
Organism thirtieth Generation 1983				
Organism thirty-first Generation 1984				
Organism thirty-second Generation 1985				
Organism thirty-third Generation 1986				
Organism thirty-fourth Generation 1987				
Organism thirty-fifth Generation 1988				
Organism thirty-sixth Generation 1989				
Organism thirty-seventh Generation 1990				
Organism thirty-eighth Generation 1991				
Organism thirty-ninth Generation 1992				
Organism fortieth Generation 1993				
Organism forty-first Generation 1994				
Organism forty-second Generation 1995				
Organism forty-third Generation 1996				
Organism forty-fourth Generation 1997				
Organism forty-fifth Generation 1998				
Organism forty-sixth Generation 1999				
Organism forty-seventh Generation 2000				
Organism forty-eighth Generation 2001				
Organism forty-ninth Generation 2002				
Organism fiftieth Generation 2003				
Organism fifty-first Generation 2004				
Organism fifty-second Generation 2005				
Organism fifty-third Generation 2006				
Organism fifty-fourth Generation 2007				
Organism fifty-fifth Generation 2008				
Organism fifty-sixth Generation 2009				
Organism fifty-seventh Generation 2010				
Organism fifty-eighth Generation 2011				
Organism fifty-ninth Generation 2012				
Organism sixtieth Generation 2013				
Organism sixty-first Generation 2014				
Organism sixty-second Generation 2015				
Organism sixty-third Generation 2016				
Organism sixty-fourth Generation 2017				
Organism sixty-fifth Generation 2018				
Organism sixty-sixth Generation 2019				
Organism sixty-seventh Generation 2020				
Organism sixty-eighth Generation 2021				
Organism sixty-ninth Generation 2022				
Organism seventieth Generation 2023				
Organism seventy-first Generation 2024				
Organism seventy-second Generation 2025				
Organism seventy-third Generation 2026				
Organism seventy-fourth Generation 2027				
Organism seventy-fifth Generation 2028				
Organism seventy-sixth Generation 2029				
Organism seventy-seventh Generation 2030				
Organism seventy-eighth Generation 2031				
Organism seventy-ninth Generation 2032				
Organism eightieth Generation 2033				
Organism eighty-first Generation 2034				
Organism eighty-second Generation 2035				
Organism eighty-third Generation 2036				
Organism eighty-fourth Generation 2037				
Organism eighty-fifth Generation 2038				
Organism eighty-sixth Generation 2039				
Organism eighty-seventh Generation 2040				
Organism eighty-eighth Generation 2041				
Organism eighty-ninth Generation 2042				
Organism ninetieth Generation 2043				
Organism ninety-first Generation 2044				
Organism ninety-second Generation 2045				
Organism ninety-third Generation 2046				
Organism ninety-fourth Generation 2047				
Organism ninety-fifth Generation 2048				
Organism ninety-sixth Generation 2049				
Organism ninety-seventh Generation 2050				
Organism ninety-eighth Generation 2051				
Organism ninety-ninth Generation 2052				
Organism one hundredth Generation 2053				

Fig. 2

